C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.2.f 2 O'Clock (PEER 11) Chipmunk Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.2		

<u>Hand Processed Changes</u>

<u>HPC No.</u>   <u>Date</u>   <u>Page Nos.</u>   <u>Initials</u>

_____   _____   _____   _____

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Approved: _____*Signature on File*_____   _____
Collider-Accelerator Department Chairman   Date

V. Castillo

4.120.2.f 2 O'Clock (PEER 11) Chipmunk Tests

PASS SEMI-ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ **Checksum:** _____

Division B Software Filename and Checksum: Title:_____ **Checksum:** _____

<u>**Initial testing complete:**</u>

Test Team Leader's Name (Print): _____   **Life Number:** _____

Test Team Leader's Name (Sign): _____   **Date:** ____/____/_____

<u>**Acceptance test procedure complete (following repairs and retesting if required):**</u>

Test Team Leader's Name (Print): _____   **Life Number:**_____

Test Team Leader's Name (Sign): _____   **Date:** ____/____/_____

<u>**Test results reviewed by:**</u>

Safety Section Head's Name (Print):_____   **Life Number:** _____

Safety Section Head's Name (Sign):_____   **Date:** ____/____/_____

<u>**Test results accepted by Radiation Safety Committee:**</u>

RSC Member's Name (Print):_____   **Life Number:** _____

RSC Member's Name (Sign):_____   **Date:** ____/____/_____

1.1   **TEST**   Chipmunk **C264 located at 1002 A – 2GE2** in **MODE 2**

☐ **VERIFY**   Chipmunk calibration date [_____/_____/_____] is   **VALID**
☐ **VERIFY**   Chipmunk is in good physical condition and is   **CHIRPING**
☐ **VERIFY**   **MCR** sees Chipmunk as   **O.K.**
   DETACH   Cable from Chipmunk
☐ **VERIFY**   **MCR** sees Chipmunk as   **TRIP & FAILSAFE**
   RESET   **Trip & Failsafe** at **MCR**
☐ **VERIFY**   Attempt to **reset Trip & Failsafe** at **MCR**   **FAIL**
   CONNECT   Chipmunk **Test box** to the **Chipmunk cable**
☐ **VERIFY**   **MCR** sees Chipmunk as   **O.K.**
   PRESS   **A Div Trip** button on the **test box**
☐ **VERIFY**   **MCR** sees the Chipmunk 264 **Div A** as   **RAD**
   PRESS   **B Div Trip** button on the **test box**
☐ **VERIFY**   **MCR** sees the Chipmunk 264 **Div B** as   **RAD**
   RESET   **Rad Interlock** at **MCR**
☐ **VERIFY**   **MCR** sees C264 **Div A** ☐and **Div B** ☐   **OK**

   PRESS   **A Div Fail** button on the **test box**
☐ **VERIFY**   **MCR** sees the Chipmunk 264 **Div A** as   **Failsafe**
   PRESS   **B Div Fail** button on the **test box**
☐ **VERIFY**   **MCR** sees the Chipmunk 264 **Div B** as   **Failsafe**
   RESET   **Failsafe Interlock** at **MCR**
☐ **VERIFY**   **MCR** sees C264 **Div A** ☐and **Div B** ☐   **OK**

   DETACH   Chipmunk **Test box** from cable
   CONNECT   **Chipmunk** to cable
☐ **VERIFY**   **Chipmunk** is   **CHIRPING**
☐ **VERIFY**   **MCR** sees **Chipmunk** as   **O.K.**

   ☐ **Check for test acceptance of Test of Chipmunk C264 in Mode 2**

1.2   **TEST**   Chipmunk **C265 located at 1002C** in **MODE 2**

☐ **VERIFY**   Chipmunk calibration date [_____/_____/_____] is   **VALID**
☐ **VERIFY**   Chipmunk is in good physical condition and is   **CHIRPING**
☐ **VERIFY**   **MCR** sees Chipmunk as   **O.K.**
   DETACH   Cable from Chipmunk
☐ **VERIFY**   **MCR** sees Chipmunk as   **TRIP & FAILSAFE**
   RESET   **Trip & Failsafe** at **MCR**
☐ **VERIFY**   Attempt to **reset Trip & Failsafe** at **MCR**   **FAIL**
   CONNECT   Chipmunk **Test box** to the **Chipmunk cable**
☐ **VERIFY**   **MCR** sees Chipmunk as   **O.K.**
   PRESS   **A Div Trip** button on the **test box**
☐ **VERIFY**   **MCR** sees the Chipmunk 265 **Div A** as   **RAD**
   PRESS   **B Div Trip** button on the **test box**
☐ **VERIFY**   **MCR** sees the Chipmunk 265 **Div B** as   **RAD**
   RESET   **Rad Interlock** at **MCR**
☐ **VERIFY**   **MCR** sees C265 **Div A** ☐and **Div B** ☐   **OK**

	PRESS	A Div Fail button on the test box	
☐	VERIFY	MCR sees the Chipmunk 265 Div A as	Failsafe
	PRESS	B Div Fail button on the test box	
☐	VERIFY	MCR sees the Chipmunk 265 Div B as	Failsafe
	RESET	Failsafe Interlock at MCR	
☐	VERIFY	MCR sees C265 Div A ☐ and Div B ☐	OK

	DETACH	Chipmunk Test box from cable	
	CONNECT	Chipmunk to cable	
☐	VERIFY	Chipmunk is	CHIRPING
☐	VERIFY	MCR sees Chipmunk as	O.K.

☐ **Check for test acceptance of Test of Chipmunk C265 in Mode 2**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

 Date: _____/_____/_____

TTL: Sign for completion of final testing: _____

 Date: _____/_____/_____